

# Review Homework Answers

$$\begin{aligned}
 1) & 5 \cdot 5 - 2 \cdot 6 - 5 \\
 & 25 - 2 \cdot 6 - 5 \\
 & 25 - 12 - 5 \\
 & 13 - 5 \\
 & \boxed{8}
 \end{aligned}$$

$$\begin{aligned}
 2) & ((7 - (1 + 1)) \cdot 5) \div 5 \\
 & ((7 - 2) \cdot 5) \div 5 \\
 & (5 \cdot 5) \div 5 \\
 & 25 \div 5 \\
 & \boxed{5}
 \end{aligned}$$

$$3) 5^3$$

$$4) 3 + 10$$

5) The quotient of 18 and a number  $x$

6) A number,  $a$ , less than 20

$$7) -9k - 3k \quad * \text{Combine like Terms}$$

$$-12k$$

$$8) x - 5 + 4 + 4x$$

$$1x + 4x - 5 + 4$$

$$\boxed{5x - 1}$$

$$9) -9(x - 5)$$

$$\boxed{-9x + 45}$$

$$10) 10(1 + 3v)$$

$$\boxed{10 + 30v}$$

$$11) -3(1 - 3n) + 5$$

$$-3 + 9n - 5$$

$$\boxed{9n - 8}$$

$$12) 5K - 2(-3 - K)$$

$$5K + 6 + 2K$$

$$\boxed{7K + 6}$$

$$13) 1 - (-2)$$

$$1 + 2$$

$$= \boxed{3}$$

$$14) 5 - (-8)$$

$$5 + 8$$

$$= \boxed{13}$$

$$15) 3 - (-4) + 2 \quad \text{*Left to right!}$$

$$3 + 4 + 2$$

$$7 + 2$$

$$= \boxed{9}$$

$$16) (-6) - 7 - (-2) \quad \text{*Left to right!}$$

$$-6 - 7 + 2$$

$$-13 + 2$$

$$= \boxed{-11}$$

$$17) -25 \div 5$$

$$= \boxed{-5}$$

$$19) -4 \cdot -7$$

$$= \boxed{28}$$

$$18) -90 \div -9$$

$$= \boxed{10}$$

$$20) 7 \cdot -6$$

$$= \boxed{-42}$$

$$21) -3(7a - 5) + 3(8a + 4)$$

$$-21a + 15 + 24a + 12$$

$$\boxed{3a + 27}$$

$$22) 7(-8m - 1) + 3(9 + m)$$

$$-56m - 7 + 27 + 3m$$

$$\boxed{-53m + 20}$$